APPLIED MATHEMATICS AND COMPUTATION

VOLUME 85

BÜNYAMIN YILDIZ, MUSTAFA BAYRAM, AND MAHIR A. RASULOV On a Method of Calculation of the First Phase Saturation
during the Process of Displacement of Oil by Water from
Porous Media
E. N. Chukwu
Control of Nonlinear Delay Differential Equations in $W_2^{(1)}$
with Economic Applications
R. Monaco, M. Pandolfi Bianchi, and A. J. Soares
Numerical Simulations of a Boltzmann Model for
Reacting Gases
E. S. Onah
On Direct Methods for the Discretization of a Heat-Conduction
Equation using Spline Functions
Equation using Spinie Punctions
Alessandra Gragnani
Bifurcation Analysis of Two Predator-Prey Models 97
R. J. B. DE SAMPAIO, JIN-YUN YUAN, AND WEN-YU SUN
Trust Region Algorithm for Nonsmooth Optimization 109
HENRYK GZYL
Maxentropic Reconstruction of Fourier and Laplace Transforms
under Nonlinear Constraints
ANDREW ADAMATZKY
How Cellular Automation Plays Minesweeper
S. A. KHURI AND A. M. WAZWAZ
On the Solution of a Partial Differential Equation Arising
in Stokes Flow
in dealer a least a le
V. N. P. ANGHEL AND WH. CHOE
Numerical Methods for Magnetized
Plasma Equations with Boundary Singularity 149
(Continued)

M. E. PRIMAK AND A. ZELEKE Set Variational Inequalities
J. A. EZQUERRO, J. M. GUTIÉRREZ, AND M. A. HERNÁNDEZ A Construction Procedure of Iterative Methods with Cubical Convergence
Do Y. KWAK A Preconditioned GMRES Method
D. L. HICKS, J. W. SWEGLE, AND S. W. ATTAWAY Conservative Smoothing Stabilizes Discrete-Numerical Instabilities in SPH Material Dynamics Computations
JEAN-CHRISTOPHE HOHL Massively Parallel Search for Linear Factors in Polynomials with Many Variables
E. GALLIGANI AND V. RUGGIERO The Two-Stage Arithmetic Mean Method
M. Mohseni Moghadam and R. Sabeti Markov Finite Approximation of Frobenius-Perron Operator with Doubly-Stochastic Tridiagonal Action Matrix
ABDUL-MAJID WAZWAZ A Study on Complex Integrals Involving Absolute Values
Li Jian Lin and H. M. Srivastava On a Theorem of Kobori
M. H. HAMDAN Natural Coordinate System Approach to Coupled n-Phase Fluid Flow in Curved Domains
VOLUME CONTENTS

